



64500

070-001

SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
CONTACTS FOR MANPOWER AND
EQUIPMENTESSO RESOURCES AND OTHER NORTHERN CONTACTSBEAUFORT

<u>FACILITY/LOCATION</u>	<u>NAME</u>	<u>OFFICE</u>	<u>HOME</u>
Esso Tuk Base	Switchboard	(403)977-7500	
	R.A. Wilks	(403)977-2581/87	403-461-0805
	D.L. Simpson	(403)977-2581/87	403-963-6529
	A. Gaudet	(403)977-2581/87	403-247-4442
Beaufort Sea Oil Spill Co-op (Dome Tuk Base)	S. Ott	403-977-7100	
	L. Konshuk	403-977-7100	
	J. Latour	403-977-7347	403-274-7431
	N. Vanderkooy	403-260-8209	403-239-5145
Dome Tuk Base	Same as above		
Gulf/Beaudril Tuk	A.J. Guthrie	403-977-2519	
	M. Mullen	403-977-2519	
	P. Devenis	403-233-3077	403-275-8813
Cdn Coast Guard Tuk Base	C. Clement	403-977-2442	

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
CONTACTS FOR MANPOWER AND
EQUIPMENTOTHER NORTHERN EQUIPMENT

<u>FACILITY/LOCATION</u>	<u>NAME</u>	<u>OFFICE</u>	<u>HOME</u>
Esso Norman Wells	G. Minter	403-587-2561	587-2413
	H. Hanrieder	403-587-2561	587-2375
	D. Fennell	403-587-2561	587-2420
Cdn. Coast Guard Hay River	H. Dubinsky	403-874-2406	874-6437
	T. Weber	403-874-2406	874-6629
N.T.C.L.	J. Hamblin (Edmonton)	403-423-9277	
Alaska Clean Seas Oil Spill Co-op Anchorage	M. Johnson	907-349-6491	

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ESSO CONTACTS & MANPOWER

SUBJECT:
CONTACTS FOR MANPOWER AND
EQUIPMENT

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ESSO PETROLEUM CONTACTS

<u>CALLS CONCERNING REFINING</u>	<u>AREA CODE</u>	<u>OFFICE</u>	<u>RESIDENCE</u>
<u>EDMONTON</u>			
STRATHCONA REFINERY - <u>SECURITY CENTRE</u> -	403	465-8110-24 Hr.	
D. BOSTON A.L. LIEBICH	403	465-8309	427-2182
P. KNETTIG		465-8247	436-2663
Vancouver (IOCO Refinery)	604	939-3311-24 Hr.	
<u>CALLS CONCERNING DISTRIBUTION DEPARTMENT (TANKER TRUCKS)</u>			
<u>B.C.</u>	604	669-4459	
<u>ALBERTA - NORTH</u>			
B.E. FLETT	403	469-3618	922-4763
D.W. PLUNKETT		468-5185	467-5482
W.G. HAMILTON		420-8824	436-4101
<u>ALBERTA - SOUTH</u>			
E. GROCHMAL	403	279-4493	259-8372
W.G. HAMILTON		420-8824	436-4101
<u>SASKATCHEWAN</u>			
D.R. BALL	306	545-5955	543-0764
C.H. VANDEVEN		545-4666	699-7156
D.H. COLLINS		545-4622	543-3603
W.G. HAMILTON	403	420-8824	436-4101
<u>MANITOBA</u>			
24-HOUR ANSWERING		661-2402	
A.E. GOLLMER	204	661-2403	668-8886
GEO. CANNELL		661-2392	775-6389
D.R. HUNT		661-2363	889-1973
W.G. HAMILTON	403	420-8824	436-4101



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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
CONTACTS FOR MANPOWER AND
EQUIPMENTESSO RESOURCES CANADA LIMITED

	<u>AREA CODE</u>	<u>OFFICE</u>	<u>RESIDENCE</u>
ASSISTANCE IN CONTAINMENT AND RECOVERY			
W.K. ROSS (primary)	403	237-4867	238-3708
Drilling Nisku	T.D. McLean 403	237-2959	487-7856
Operations Devon	W.G. Higgins 403	987-3300	987-2812
Operations Red Deer	K.E. Luedtke 403	885-4511	346-0068
Operations Redwater	A.L. Gilmour 403	942-3921	467-4287
Operations Boundary Lake	H.D. Busse 604	781-3331	N.A.
Operations Judy Creek	P.C. Schiller 403	333-2822	333-2692
Operations Saskatchewan	N.E. Stewart 306	634-4752	634-7895

OSCAR TRAILERS

<u>Location</u>	<u>Custodian</u>	<u>Phone*</u>
<u>B.C.</u>		
Ft. St. John	Flint Eng'g. & Construction	604-785-8321
<u>Alberta</u>		
Peace River		
Whitecourt		
Nisku	Supervisory Consultants	403-955-7400
Nisku (winter trailer)		
Joffre		
Crossfield		
<u>Saskatchewan</u>		
Regina	Tri-Maks Service Ltd.	306-525-1511
<u>Manitoba</u>		
Winnipeg	Euroway Industries Services Ltd	204-247-4888 or 204-269-3464 (after hours)
<u>General Information</u>		
Ray Frocklage	CPA Calgary	(403) 269-6721
Wayne Wiebe	PITS Calgary	(403) 230-4501

Note

Material in all trailers except Regina and Winnipeg is packaged for helicopter transport.

*Except as indicated all numbers are 24 hour.

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CONTACTS FOR MANPOWER AND
EQUIPMENTCHEMICAL TRANSPORTATION CONTACTS

	<u>AREA CODE</u>	<u>OFFICE</u>	<u>RESIDENCE</u>
<u>1. CANADIAN NATIONAL RAILWAYS</u>			
Frank Jenne,	403	421-6659	455-8317
Special Commodities Officer	403		454-3976
<u>2. CANADIAN PACIFIC RAILWAY</u>			
Tony Stricker, Mechanical Officer	403	428-6011	N/A
Karl Jansens, Division Engineer	403	423-1628	437-5187
<u>3. SCHOELER TRANSPORT (Sulphur)</u>			
W. Schoeler	403	998-1833	456-3621
	Rotary Dial	998-1843	
L. Jenkins	403	998-1833	476-0974
	Rotary Dial	998-1843	
R. Satre	403	998-1833	939-2387
	Rotary Dial	998-1843	
<u>4. WESTCAN BULK TRANSPORT (Ammonia)</u>			
EDMONTON - 24 Hour	403	467-7706	
G. Calquhoun - Safety Supervisor	403	467-7723	464-1054
	Mobile	XJ64747	
Rene Lavoie - Terminal Manager	403	467-7706	922-2623
Emergency Response Unit	Mobile	XJ63337	
CLAVET - 24 Hour	306	Changing March 1984	
Emergency Response Unit	Mobile	XJ80206	
<u>5. PAUL'S HAULING (Ammonia)</u>			
BRANDON TERMINAL	204	728-5785	
W. Hall - Terminal Manager	204	728-5785	728-0803
WINNIPEG OFFICE	204	633-7027	
Fred Polson - Transportation Manager	204	633-7027	889-3980
Sandy Clancy	204	633-7027	667-7800
Peter Frison	204	633-7027	889-1663

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CONTACTS FOR MANPOWER &
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NATIONAL & INTERNATIONAL CONTACTS

- o Esso Resources Canada Ltd. and Esso Petroleum Canada (Imperial Oil Ltd.) have additional wholly-owned or jointly owned equipment and materials available throughout Canada.
- o In addition, stockpiles of equipment are available from other oil companies, Cdn. Coast Guard and private clean-up contractors throughout Canada.
- o Access to these equipment lists and contacts are obtained through NEELS (National (Emergency Equipment Locator System). Computer terminals that access NEELS are available through:
 - o Esso Research Lab, Calgary
Dr. R. Goodman 403-259-0296
Ms. C. Peabody 403-259-0226
 - o I.P. Sharp Associates Ltd., Calgary
403-265-7730
 - o Environmental Protection Service, Edmonton
R. Nixon 403-420-2580

INTERNATIONAL

- o Esso Resources Canada Ltd. has access to a world-wide source of oil spill equipment and materials within Exxon. Regular contact is maintained between Esso Resources and Exxon's oil spill response operations committee (OSROC) in N.Y., to ensure up-to-date information is available on equipment stockpiles in the U.S.A., Europe and Far East.

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070-002

WESTERN CANADA REGION
SPILL RESPONSE PLANSECTION:
ESSO CONTACTS AND MANPOWERSUBJECT:
TECHNICAL SUPPORTESSO TECHNICAL SUPPORT

<u>SPECIALITY/EXPERTISE</u>	<u>NAME</u>		<u>OFFICE PHONE</u>	<u>HOME PHONE</u>
Oil spill countermeasures Fate/trajectory modelling Weather/oceanography Remote sensing	R. Goodman	403	259-0296	286-4501
Oil spill countermeasures Oil spill fate/effects Dispersant use/application	E. Birchard	403	237-4874	278-6687
Biological Resources	R. Quaife	403	237-4873	931-3895
Biological Resources	M. Psutka	403	237-2106	284-4391
Soil/vegetation reclamation Oil spill countermeasures	A. Teal	403	237-4875	938-5512
Oil spill countermeasures Land/rivers	W. Ross	403	237-4867	238-3708
Dispersant Supply	J. Todd	403	420-8734	436-6821
Oil spill trajectory modelling Dispersant toxicity	C. Peabody	403	259-0226	246-0742
Environmental Coordinator	P. Knettig	403	465-8652	436-2663

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
TECHNICAL SUPPORTESSO TECHNICAL SUPPORT

<u>SPECIALITY/EXPERTISE</u>	<u>NAME</u>	<u>OFFICE PHONE</u>	<u>HOME PHONE</u>
Satellite Imagery Radar Imagery Trajectory modelling Ice, Water	G. Spedding	403 259-0335	243-5210
Oceanography Remote sensing Dispersant effectiveness Oil under ice detection	R. Goodman	403 259-0296	286-4501
Meteorology/Climatology	A. Holoboff	403 259-0620	281-6896
Chemical Analysis of Oil	M. Toole	403 259-0228	281-2683
Chemical Analysis of Oil	K. Corry	403 259-0323	281-5454
Water Column Sampling	B. Paddison	403 259-0379	238-7393
Water Column Sampling	H. Taylor	403 259-0379	281-2005
Instrumentation/Micro-computers for remote sensing and tracking	J. Morrison	403 259-0339	255-8533
	M. Touzin	403 259-0241	257-0307

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
TECHNICAL SUPPORTEXTERNAL TECHNICAL SUPPORT

<u>AGENCY/COMPANY</u>	<u>CONTACT</u>	<u>SPECIALITY</u>	<u>PHONE NO.</u>
Atmospheric Environment Service (AES) Edmonton	Arctic Weather Central	Weather forecast	403-437-1677
Canadian Coast Guard, Vancouver	J.C. Young	Oil Spill Countermeasures	604-926-0962
EPS Ottawa	K.M. Meikle	Oil Spill Countermeasures	613-998-9622
Emergency Planning Canada	J.M. Hoffman	Emergency Measures Customs Clearance	403-425-7006
DFO Winnipeg	D.G. Wright	Scientific Emergency	204-269-7379
EPS Edmonton Vancouver	R. Nixon S. Pond	Dispersant Use Dispersant Use	403-420-2580 604-666-6100
CWS Edmonton	T. Barry	Waterfowl Seabirds	403-420-2515
DFO Winnipeg	M. Kingsley	Seals	204-269-7379
ABS Ste. Anne de Bellevue	T. Smith	Seals	514-457-3660
CWS Edmonton	I. Stirling	Bears	403-435-7349
GNWT	R. Schweinsburg	Bears	--
DFO Winnipeg	R. Monshenko	Whales	204-269-7379

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
TECHNICAL SUPPORT

<u>AGENCY/COMPANY</u>	<u>CONTACT</u>	<u>SPECIALITY</u>	<u>PHONE NO.</u>
DFO Winnipeg	J. Stein	Fisheries/Marine Ecology	204-269-7379
	M.J. Lawrence		
DFO Winnipeg	W.L. Lockhart	Hydrocarbon Chemistry/Toxicity	204-269-7379
ABS Ste. Anne de Bellevue	E.H. Grainger	Plankton Benthos	514-457-3660
DFO Dartmouth	J. Vandermuellen	Ecological Impact/Toxicity	604-656-8268
DFO Victoria Institute of Ocean Sciences	A. Cornford	Environment Data Retrieval	604-656-8251
DFO Victoria	E.L. Lewis	Ice	604-656-8270
DFO Victoria	R. Herlinveaux	Currents	604-656-8268
CCRS Ottawa	R.A. O'Neill	Remote Sensing	613-998-9060
DFO Victoria	C.S. Wong	Physical/Chemical fate of Oil	604-656-8268
ABS Ste. Anne de Bellevue	J.N. Bunch	Microbial Degradation of Oil	514-457-3660
ESL Environmental Sciences Ltd., Vancouver	W. Duval	Oil Spill Effects	604-687-3385
LGL Ltd. Edmonton	Manager	Marine Biology	403-488-4832

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
TECHNICAL SUPPORT

<u>AGENCY/COMPANY</u>	<u>CONTACT</u>	<u>SPECIALITY</u>	<u>PHONE NO.</u>
Aquatic Environments Calgary	P. McCart	Fisheries	403-276-8171
Arctic Labs Inuvik	Manager	Physical/Chemical Data Collection	403-979-5595
Hardy Associates Calgary	K. Veness	Terrain/Vegetation	403-248-4331
University of Guelph	J.R. Geraci	Effects of Oil on Seals and Whales	519-824-4120
University of Toronto	D. Mackay	Fate/Movement of Oil	416-978-4019
	P. Wells	Oil Spill Toxicology Dispersant Effects	
IBRC Berkeley Calgary	A. Berkner	Oiled Bird Rehabilitation	415-841-9086
Conair Aviation Abbotsford	B. Emery	Aircraft Dispersant Application	604-853-7171
Associated Helicopter Inuvik	Manager	Dispersant Application	403-979-3226
Bow Helicopter	Manager	Dispersant Application	403-979-2889
Kenting Helicopter	Manager	Dispersant Application	403-277-8526

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070-002

SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
TECHNICAL SUPPORTSPILL CLEAN-UP CONTRACTORSBEAUFORT

Beaufort Sea Env. Support Services (403 978-2215)

ALBERTA

SUPERVISORY CONSULTANTS LTD. 24 Hr. 403 955-6411

SASKATCHEWAN

REGINA TRI-MAKS SERVICE LTD. 24 Hr. 306 525-1511

MANITOBA

WINNIPEG EUROWAY INDUSTRIES SERVICE CO. LTD. 204 247-4872 OR 247-4888

AFTER HOURS 204 269-3463 OR 668-3438

BRITISH COLUMBIAFT. ST. JOHN FLINT ENGINEERING AND CONSTRUCTION 604 685-8321
LTD.

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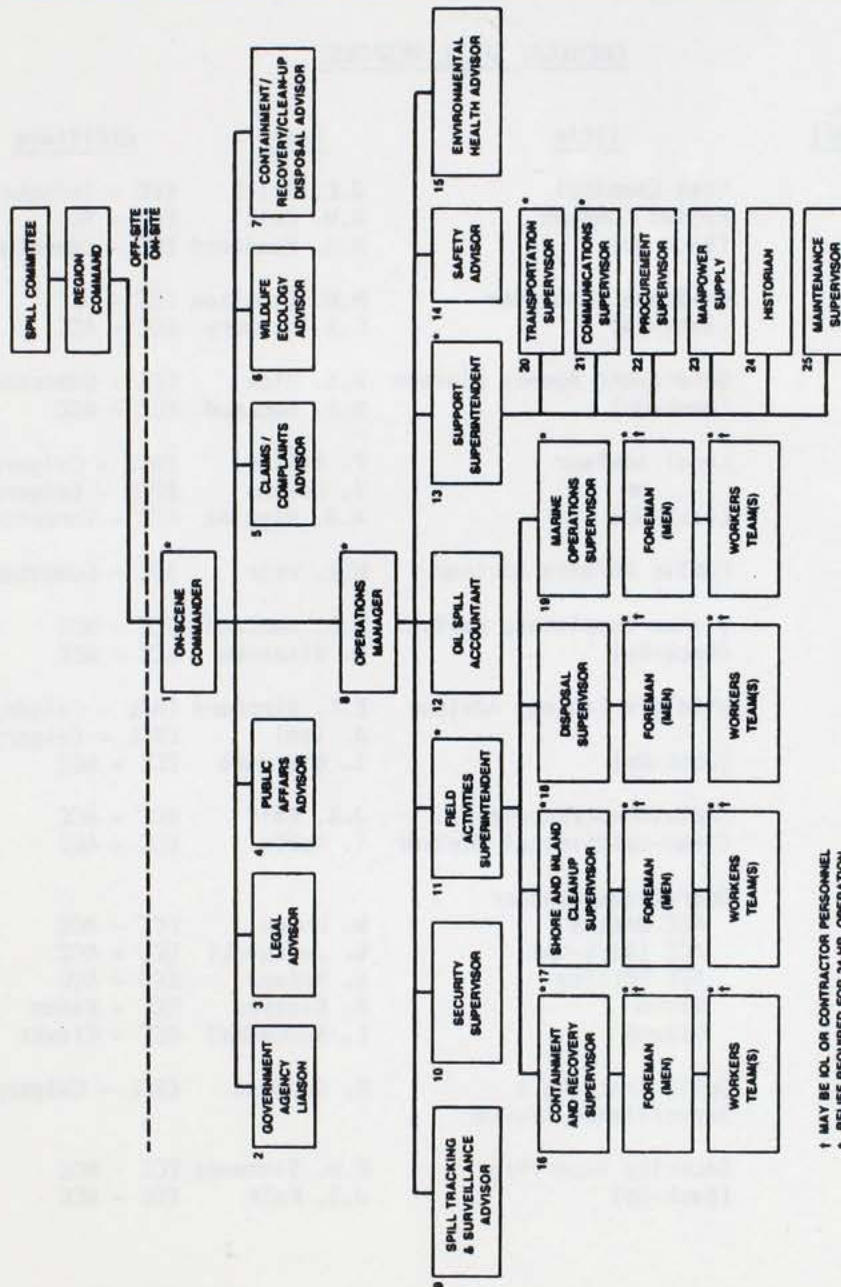
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070-003

WESTERN CANADA REGION
SPILL RESPONSE PLANSECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWER

REGION MAJOR SPILL RESPONSE TEAM

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070-003

SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWERCHEMICAL SPILL RESPONSEPosition No.
(Ref. 030-002)TitleNameAffiliate

	Esso Chemical Region Command (Back-Up)	J.E. Akitt G.W. Zelt M.G. Handford	ECC - Toronto ECC - ACC ECC - Edmonton
1	On-Scene Commander (Back-Up)	M.W. Chorlton C.B. Newbury	ECC - ACC ECC - ACC
2	Government Agency Liaison (Back-Up)	W.S. Pick M.D. MacLeod	ECC - Edmonton ECC - ACC
3	Legal Advisor or (Back-Up)	P. Miller J. Lowman A.J. Wiggins	ERCL - Calgary ERCL - Calgary ECC - Toronto
4	Public Affairs Advisor	H.A. Weir	IOL - Edmonton
5	Claims Complaints Advisor (Back-Up)	M.D. MacLeod S. Blazenko	ECC - ACC ECC - ACC
6	Wildlife Ecology Advisor (Back-Up)	E.C. Birchard A. Teal S. Blazenko	ERCL - Calgary ERCL - Calgary ECC - ACC
7	Containment/Recovery/ Clean-up/Disposal Advisor	J.S. Kalf T. Noble	ECC - ACC ECC - ACC
8	Operations Manager ACC Onsite ACC (Back-Up) ACC Offsite Bloom Clavet	W. Unruh G. Jurkowski W. McEwen A. Klassen L. Rosenthal	ECC - ACC ECC - ACC ECC - ACC ECC - Bloom ECC - Clavet
9	Spill Tracking & Surveillance Advisor	R. Goodman	ERCL - Calgary
10	Security Supervisor (Back-Up)	R.W. Simmonds J.S. Kalf	ECC - ACC ECC - ACC

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWERCHEMICAL SPILL RESPONSE

<u>Position No.</u> <u>(Ref. 030-002)</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
11	Field Activities Supt.		
	ACC Onsite	G. Jurkowski	ECC - ACC
	ACC Offsite	W. McEwen	ECC - ACC
	ACC & Offsite (Back-Up)	T. Hawryliw	ECC - ACC
	ACC & Offsite (Back-Up)	H.D. McCloy	ECC - ACC
12	Oil Spill Accountant (Back-Up)	G.F. Ouimet L.H. Van Os	ECC - ACC ECC - ACC
13	Support Superintendent (Back-Up)	N.G. Tapley A.W. Pieper	ECC - ACC ECC - ACC
14	Safety Advisor (Back-Up)	J.S. Kalf L.A. Willoughby	ECC - ACC ECC - ACC
15	Environmental Health Advisor	I. Drummond L.A. Willoughby	IOL - Edmonton ECC - ACC
16	Containment & Recovery Supv. (Back-Up) (Back-Up)	T. Hawryliw H.D. McCloy R.A. Wilkinson	ECC - ACC ECC - ACC ECC - ACC
17	Shore & Inland Cleanup Supv. (Back-Up)	R.A. Young W. Schoep	ECC - ACC ECC - ACC
18	Disposal Supervisor ACC & Offsite (Back-Up)	W. McEwen R. Zuk	ECC - ACC ECC - ACC
20	Transportation Supervisor (Back-Up) (Back-Up)	H.R. Willis R.L. Frison D.L. Duthie	EPC - Edmonton ECC - Edmonton ECC - Edmonton
21	Communications Supervisor (Back-Up)	J.G. Robbins O.J. Olson	ECC - ACC ECC - ACC
22	Procurement Supervisor (Back-Up) (Back-Up)	H.Y. Neill I.J. Meyer G.J. Jarvie	ECC - ACC ECC - ACC ECC - ACC

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ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWERCHEMICAL SPILL RESPONSE

<u>Position No.</u> <u>(Ref. 030-002)</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
23	Manpower Supply (Back-Up)	C. Laporte-Kelly A.F. Bennett	ECC - ACC ECC - ACC
24	Historian (Back-Up)	R.A. Wilkinson B.F. Smith	ECC - ACC ECC - ACC
25	Maintenance Supervisor (Back-Up)	S.M. Thomas O.J. Olson	ECC - ACC ECC - ACC
26	Chemical Spill Advisor	J.S. Kalf T.R. Noble	ECC - ACC ECC - ACC

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWEROIL SPILL RESPONSE

<u>Position No.</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
		V.J. Landry	EPC
		G.L. Haight	ERCL
	Region Command	E. Bennett	ERCL - Calgary
		D. Siebrasse	ERCL - Calgary
		A. Bomben	EPC - Vancouver
		R.L. Karadimas	EPC - Vancouver
		E.P. Newell	EPC - IOCO Refinery
		R.H. McLean	Public Affairs-Van.
		J.B. MacDonald	EPC - Edmonton
		D. Boston	EPC - Strathcona
		A. Pivarnyk	EPC - Strathcona
		E. Bennett	ERCL Drilling-Calg.
		K.W. Putt	ERCL Oper.-Calgary
		B.G. Toner	ERCL Oper.-Calgary
1	On-Scene Commander	D. Butchko	ERCL - Calgary
		A. Lacroix	ERCL - Calgary
		C. Kippen	ERCL - Calgary
		P. Meyer	ERCL - Calgary
		W. Storoschuk	ERCL - Calgary
		D. Vescarelli	ERCL - Calgary
		G.R. Minter	ERCL-Norman Wells
		J.F. Watters	EPC - Vancouver
		R.A. Pope	EPC - Vancouver
		C.A. Barber	EPC - Vancouver
		B.W. Robinson	EPC - IOCO Refinery
		D. Plunkett	EPC
		R.A. Peters	EPC - Strathcona
		H.R. Lingley	EPC - Strathcona
		L.N. Westermarck	ERCL Drilling-Calg.
		A.L. Gilmour	ERCL Oper.-Redwater
2	Government Agency Liaison	K. O'Connor	Public Affairs-Calg
		M. Schiel	Public Affairs-Edm
		E. Caldwell	Public Affairs- Calgary/Beaufort
		G.R. Minter	ERCL - Norman
		A.R. Bolton	EPC - Vancouver
		G.A.L. Sholund/	EPC - IOCO Refinery
		J. Gagnon	EPC - IOCO Refinery
		P. Knettig	EPC - Strath. Ref.

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ESSO CONTACTS & MANPOWER

SUBJECT:
ESSO MANPOWER

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OIL SPILL RESPONSE

<u>Position No.</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
3	Legal Advisor	P. Miller J. Lowman H.A. Hanrieder Buell Ellis	Law Dept. - Calgary Law Dept. - Calgary Law Dept.-Norman W. Vancouver
R. White	Lucas Edwards		Edmonton
4	Public Affairs Advisor	K. O'Connor E. Caldwell R.H. McLean J. Appleby H.A. Weir K.K. Milne	Public Affairs-Calg Public Affairs-Calg Public Affairs-Van. Public Affairs-Van. Public Affairs-Edm. Public Affairs-Edm.
5	Claims Complaints Advisor	E. Caldwell M.J. Shaw L. Gueho K.R. Cook M. Chapman	Public Affairs-Calg ERCL - Calgary EPC - Vancouver EPC - Vancouver EPC - Edmonton
6	Wildlife Ecology Advisor	E.C. Birchard A. Teal C.B. Sikstrom D. Fennel P. Knettig	ERCL - Calgary ERCL - Calgary ERCL - Calgary ERCL - Norman Wells EPC - Strathcona
7	Containment/Recovery (Inland) Clean-Up/Disposal (Inland) Advisor (Marine) (Marine)	A.R. Teal S.M. Bugaresti J.F. Watters A. Lacroix	ERCL - Calgary EPC - Edmonton EPC - Vancouver ERCL - Calgary
8	Operations Manager	D. Dalgleish R. Crawley W. Fink O. Bachard D. Marier R. Silkie C. Miller L. Gibbs K. Palechek A. Clements H. Nagel H. Hanrieder S.C. Paradosky R.F. Kennedy	ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Norman Wells ERCL - Norman Wells ERCL - Norman Wells

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWEROIL SPILL RESPONSE

<u>Position No.</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
8	Operations Manager (Cont'd)	G.G. Dempster R. Goode J.P. Wetzel P. Cooper S. Bugaresti R. Radchuk A. Usher D. McNeil J.T.N. Minton W. Inkster	EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC - Edmonton EPC - Edmonton EPC - Edmonton EPC - Edmonton EPC - Strathcona EPC - Strathcona
9	Spill Tracking & Surveillance Advisor	G.R. Goodman C. Peabody	ERCL - Calgary ERCL - Calgary
10	Security Advisor	K.C. Johnson D. Aulenback D. Meads	Corporate Security - Calgary ERCL - Beaufort ERCL - Norman Well
11	Field Activities Super.	Same as 9 for S.C. Paradosky R.F. Kennedy R. Siech R. Coles W.G. McComb A.B. Irvine S. Oldale J. Millala K. Thorpe J. Krell D. Reiter E. Fedeshko J.T.N. Minton D.B. Smith	ERCL - Beaufort ERCL - Norman Well ERCL - Norman Well ERCL - Norman Well EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC-IOCO Refinery EPC-IOCO Refinery EPC - Edmonton EPC-Strathcona Ref. EPC-Strathcona Ref. ERCL - Redwater
12	Oil Spill Accountant	R.C. Kerr L. Sheremata P.N. Elliot N.A. Hardy D.M. Dougan D.A. Dickson	Comptrollers-Calg. ERCL - Calgary ERCL - Norman Wells ERCL - Norman Wells EPC - Vancouver EPC-IOCO Refinery

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070-003

SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWEROIL SPILL RESPONSE

<u>Position No.</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
13	Support Superintendent	Same as 9 for R.F. Kennedy R. Siech R. MacPherson J. Dave W.G. McComb D.W. Westhauer P. Cooper R.C. Kerr B. MacDonald K. Frame J. Duncombe S.G. Fogg R. Lieberman	ERCL - Beaufort ERCL - Norman Wells ERCL - Norman Wells ERCL - Norman Wells EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC - IOCO Refinery EPC - Edmonton EPC - Edmonton ERCL - Drilling ERCL - Redwater EPC - Strathcona EPC - Strathcona
14	Safety Advisor	D. Kupchenko A. Ninow D. Meads F.W. Waghorn D. Lockhart G. Hamilton F.A. Bewer T.A. Quigley	ERCL - Beaufort ERCL - Beaufort ERCL - Norman Wells EPC - Vancouver EPC - IOCO Refinery EPC - Edmonton ERCL - Calgary EPC - Strathcona
15	Environmental Health Advisor	I. Drummond R. Stacy	IOL - Edmonton IOL - Calgary
16	Containment & Recovery Supervisor	R. Wilks D. Simpson R. Arbuckle R. Kippen W. Haluska D. Thompson W.R. Irwin R.J. MacPherson R.W. Brown A.W. Hiitola J. Klassen R.A. Holkestad F.W. Waghorn H. Richmond A. Dennis	ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Beaufort ERCL - Norman Wells ERCL - Norman Wells ERCL - Norman Wells ERCL - Norman Wells ERCL - Norman Wells EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC - Vancouver EPC - IOCO Refinery

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070-003

SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWEROIL SPILL RESPONSE

<u>Position No.</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
16 (Cont'd)		L. Bergquist	EPC - Vancouver
		R. Larsen	EPC - Edmonton
		D.B. Smith	EPC-Strathcona Ref.
		A.W. Gilmar	EPC-Strathcona Ref.
		J. Mabbutt	EPC - Redwater
17	Shore & Inland Cleanup Supervisor	Same as 15 for	ERCL - Beaufort
		R.W. Brown	ERCL - Norman Wells
		R.J. MacPherson	ERCL - Norman Wells
		W.R. Irwin	ERCL - Norman Wells
		D.J. Fennel	ERCL - Norman Wells
		W.W. Taylor	EPC - Vancouver
		W. Ng	EPC - Vancouver
		J. Krell	EPC - IOCO Refinery
		B.W. Leswick	EPC - Vancouver
		D. Johnson	EPC - Edmonton
		G. Tilley	EPC-Strathcona Ref.
		J. Johnson	ERCL - Redwater
18	Disposal Supervisor	L. Kreye	ERCL - Beaufort
		A. Jones	ERCL - Beaufort
		D.J. Fennel	ERCL - Norman Wells
		G.L. Bunio	ERCL - Norman Wells
		D.A. Bawol	ERCL - Norman Wells
		G.A.L. Sholund	EPC - IOCO Refinery
		A.R. Bolton	EPC - Vancouver
		A. Ratsoy	EPC - Edmonton
		J. Pasmeny	EPC-Strathcona Ref.
		D. Zinger	ERCL - Redwater
19	Marine Operations Supervisor	D. Butchko	ERCL - Calgary
		A.W. Hiitola	ERCL - Norman Wells
		R.J. MacPherson	ERCL - Norman Wells
		W.R. Irwin	ERCL - Norman Wells
		C. Totten	EPC - Vancouver
		O. Gillett	EPC - Vancouver
		D. Crane	EPC - Vancouver
		W. Coward	EPC - Vancouver
		A. Middlehurst	EPC - Vancouver
		R. Goodman	ERCL - PRD. Calgary
		E. Birchard	ERCL - Calgary

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWEROIL SPILL RESPONSE

<u>Position No.</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
20	Transportation Supervisor	Tuk Expeditior	ERCL - Beaufort
		R.D. Heppenstall	EPC - Vancouver
		G. Fund	EPC - Vancouver
		G. Somerville	EPC - Vancouver
		B. Bugden	EPC - IOCO Refinery
		M. Laing	EPC - Vancouver
		T. Golmer	EPC - Edmonton
		L. Hodl	EPC - Edmonton
		D. Ball	EPC - Edmonton
		J.R. Murdock	EPC-Air Trans. Calg
		L. Lacroix	EPC-Drilling Calg.
21	Communications Supervisor	T. Mulholland	ERCL - Calgary
		D.J. Connelly	ERCL - Norman Wells
		R.S. Lubik	EPC - IOCO Refinery
		M. Ellis	EPC - Vancouver
		G.F. Pye	EPC - Vancouver
		J. Windram	EPC - Vancouver
		L. Watters	EPC - Vancouver
		R.K. Kosovic	EPC - Vancouver
		G. Hamilton	EPC - Edmonton
		D. Sendziak	EPC-Strathcona Ref.
		W. Ciepliski	ERCL - Redwater
22	Procurement Supervisor	D. Matheson	ERCL - Beaufort
		R. Laurie	ERCL - Beaufort
		D.J. Connelly	ERCL - Norman Wells
		Same as for 19	EPC - West Coast
		G. Blenkhorn	EPC - Edmonton
		D. Frame	ERCL - Nisku
23	Manpower Supply	R.J. MacPherson	ERCL - Norman Wells
		R.C. Shouldice	EPC - Vancouver
		W.C. Routledge	EPC - Vancouver
		R. Mead	EPC - Edmonton
24	Historian	D.A. Bawol	ERCL - Norman Wells
		W.L. Pegler	EPC - Vancouver
		L.J. Hart	EPC - Vancouver
		M.D. Swire	EPC - IOCO Refinery
		T. Hansen	EPC - Edmonton
		A. Flierl	ERCL - Redwater

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SECTION:
ESSO CONTACTS & MANPOWERSUBJECT:
ESSO MANPOWEROIL SPILL RESPONSE

<u>Position No.</u>	<u>Title</u>	<u>Name</u>	<u>Affiliate</u>
25	Maintenance Supervisor	K. Mortensen	ERCL - Beaufort
		T. Pelech	ERCL - Beaufort
		R.J. MacPherson	ERCL - Norman Wells
		Same as 19	EPC - Vancouver
		W. Holtz	EPC - Edmonton
		A. Unguran	EPC-Strathcona Ref.
		H.V. Patterson	ERCL - Nisku

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080

Equipment



0458A

080-000

WESTERN CANADA REGION
SPILL RESPONSE PLANSECTION:
EQUIPMENTSUBJECT:
SUMMARY

REGION - OWNER/LOCATION (PAGE REF.)	BOOMS (1000 ft)	SKIMMERS (UNITS)	SORBENT (YES/NO)	MISCELLANEOUS
<u>BEAUFORT</u> - ESSO TUK BASE (001-1)	3	-	*	-
- BEAUFORT COOP (001-2/3)	10	10	-	COMM & TRACK- ING EQUIP.
- DOME/CANMAC (001-3)	7			-
- GULF/BEAUDRILL (001-4)	6			-
- SHOREBASE TUK (001-4)	1			-
- COAST GUARD TUK (001-4)	13			COMM. EQUIP.
<u>NORMAN WELLS</u> - ESSO (002-1)	2	6	*	-
- NTCL (002-2)	-	-	*	-
<u>WEST COAST</u> - BCPA COOP (003-1/3)	*	-	-	MOBILE PKG.
- BURRARD CLEAN (003-4)	3	-	-	COMM. TRAILER
- COAST GUARD VAN (003-5)	6	2+	*	SLICKLICER & COMM. VEHICLE
- COAST GUARD VIC (003-6)	6	1+	*	SLICKLICER VESSEL
- COAST GUARD A. RUP. (003-7)	4	1+	*	SLICKLICER VESSEL
<u>PRAIRIES</u> - OSCARS (004-1)	*	*	*	MOBILE PKG.
- CHEMICALS (005-1/2)	-	-	-	AMMONIA RESPONSE VANS

* SUPPLIES VARY
+ VESSEL MOUNTED SLICKLICERDATE:
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6458A

080-001

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
EQUIPMENT

SUBJECT:
BEAUFORT EQUIPMENT

ESSO TUK BASE

The following list covers only major equipment in the Beaufort Area. For details see Beaufort Oil Spill Response Plan.

- 1 - Sloop - loaded w/approx. 1000' Bennet 18" Boom
- 1 - 3" - Marlow Diaphragm (gas motor) pump w/3" hose and 48" Slick Bar Skimmer and Floats
- 1 - Elect. Oil Mop Unit and Broom
- 200' Conwed Boom
- Other Equipment
- 1 - Aluminum Barge Unit 9' x 25' w/2.55 H.P. Bear Cat Outboards (on skid) Unit 799
- 1 - Bennet Skimmer Unit complete w/motor and pumps
- 500' - 12" Bennet Boom
- 300' x 24" Bennet - Permanent Belting Boom
- 2 - 26' Aluminum Jet Boats
- 2 - 8' x 18' Petie Barge Type Units powered w/2 Bear Cat 55 H.P. Outboard Motors
- 1 - I.S.O. Container full Peat Moss (bags)
- 6 - Rolls Conwed - Absorbent material
- 3 - Bails Conwed 2' x 2' Absorbent material
- 20 - Rolls Grab Oil Absorbent material
- 1 - 1000 Gal. Portable Tank Frame and Liner
- 500' - 36' Bennet Boom
- 500' - 18' Bennet Boom
- 500' - 18' Bennet Zoom Boom - Esso

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04000

080-001

SECTION:
EQUIPMENTSUBJECT:
BEAUFORT EQUIPMENTBEAUFORT OIL SPILL CO-OP

BOOM

2,400'	Arctic Boom Mod/77
4,000'	36" Bennett Navy Boom
2,500'	18" Bennett Inshore Boom
1,000'	36" Flexi Inshore Boom

WATER CRAFT

1	Carrier II Sea Truck (Twin 70 Merc)
1	Carrier III Jet Boat (Twin 350 70 HP outboard)
1	Zodiac c/w 20 HP
1	39' Pollution Deployment V/L (Twin Cat Diesel)

SKIMMERS/PUMPS/FITTINGS

2	Slurp Wier Skimmers
1	Lockhead R2003 Skimmer
1	Homelite Pump
1	6" Oil Mop Skimmer
1	3" DP3-1 Homelite Pump
1	Morris MI30 Skimmer
2	3" Spate Pumps
2	3" Trash Pumps MITM
3	Morris MI30 Skimmer

COMMUNICATION

10	Orion Tracker Buoys
1	Receiver Orion
4	Argos Buoys
3	Marconi DT39 Radios
6	Ray 55 Radios
8	DP-15 Radios c/w Mic, Antenna, Case

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6498C

080-001

SECTION:
EQUIPMENTSUBJECT:
BEAUFORT EQUIPMENTBEAUFORT OIL SPILL CO-OP

SORBENTS/CHEM. APPLICATION EQUIPMENT

1 Dispersant Spray Systems

SPECIAL

1 Anti-Pollution Barge II
216 x 49.5 x 9.6'
complete with following equipment
1 5000 BBL per Day Burner c/w Boom

DOME/CANMAR

BOOM

		LOCATION
250'	Fire Proof Boom	Vancouver
800'	36' Bennett Navy Boom	McKinley
1000'	36' Bennett Navy Boom E. Tarsiut	Tuk
1000'	36' Bennett Inshore Boom	Tuk
2800'	36' Bennett Navy Boom	Drill Ships
1000'	36' Bennett Navy Boom	SSDC

WATER CRAFT

1	39' Pollution Deployment Vessel	McKinley
	Twin Cat Diesel Carrier 4	
1	17' Davidson Life Boat	McKinley
1	25 HP OMC Outboard	McKinley
1	14' Aluminum Boat - Lund	Tuk
1	17' Davidson Life Boat	Tuk
1	20 HP Outboard	Tuk
1	12' Zodiac	Tuk
1	25 HP Mercury Outboard	Tuk

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64988

080-001

SECTION:
EQUIPMENTSUBJECT:
BEAUFORT EQUIPMENTGULF/BEAUDRILLMARINE BASE

- 600' 30" Versatech "Nav-Pak" Boom c/w accessories in quick deployment container
- 3000' 24" Sanivan "Saniboom" c/w accessories
- 1000' 30" Heli-portable Versatech "Zoom Boom" c/w accessories in 2 quick deployment containers
- Miscellaneous hand tools and support equipment

TUKTOYAKTUK SHOREBASE

- 1200' 24" Versatech Inshore Boom c/w Accessories in 2 quick deployment containers

Canadian Coast Guard Tuk BaseBOOMS/FENCING

- 12500 FT - Bennett Inshore Boom (36 inch)
2 - Vikoma Sea Packs (2 PWR recovery units)

WATERCRAFT/AIRCRAFT

- 1 - 175 FT Buoy Tender (Nahidik)
2 - 37 FT Seatrucks (with hydraulic crane)
4 - Inflatable Zodiac's (with 20 HP O/B + 2 spare)

SKIMMERS/PUMPS/FITTINGS

- 1 - Framo Skimmers
4 - Komara - Mini - Skimmer (complete)
1 - S.T.O.P.S. - Self Contained 1000m GPM Pumping Unit
3 - Oil Mops (self contained on trailer)

HOSES/CONNECTIONS/PORTABLE TANKS

- 5 - Seal TKS (dispersant etc.) (500 gallons)
9 - Port - A - TKS (1000 gallons)

SPECIAL VEHICLES

- 4 - Pallet Trailers

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8486C

080-001

SECTION:
EQUIPMENTSUBJECT:
BEAUFORT EQUIPMENT

COMMUNICATIONS EQUIPMENT

1 - 30W Tranceiver - VHF - CH 6-16-81A
10 - 5W Tranceiver - VHF - CH 6-12-19A-81A

SORBENTS/CHEM. TREATING AGENTS/APPLICATION EQUIP.

189 - Cartons - Oil Snare
19 - Cartons - Conweb
14 - Rolls - 3M
25 - 5 Gall - Dispersant Back Packs

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4486A

080-002

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
EQUIPMENT

SUBJECT:
OTHER NORTHERN EQUIPMENT

NEELS LISTING OF OIL SPILL EQUIPMENT AT NORMAN WELLS

Norman Wells, Northwest Territories

0 Nautical miles
Lat 65 17 Long 126 48

Organization: ERCL

Facility: Norman Wells Refinery

Name/Position/Phone Area Code 24-Hour Office Home

G.R. Minter (403)587-2561 Home 587-2413

H. Hanreider (403)587-2561 Home 587-2375

D. Fennell (403)587-2561 Home 587-2420

Booms/Fencing

750 Feet 18 Inch Bennet River Boom and Anchors (75 lbs)

1000 Feet 18 Inch 2000M Boom and Anchors (75 lbs)

Watercraft/Aircraft

One 32 Foot Cat Diesel Jet Boat

One 8 Foot by 18 Foot Barge ith 2-90 H.P. Mercury Outboards

(cycle - oil/gas mixture)

One 18 Foot Aluminum Speed Boat with 50 H.P. Mercury Outboard

One 32 Foot Boat with 2-115 H.P. Mercury outboards

One 35 Foot Prop. Driven, Diesel Powered Boat (Deep Draft)

Taylor II Tug and 1000 bbl Tutsi Barge

37 Foot Sealander Boat

Skimmers/Pumps/Fittings

One Slurp Skimmer

Two Spate Pumps, Variable Speed, Diesel

One Diaphragm Hand Pump

One 4 Foot Pedco Skimmer, One 2 Foot Pedco Skimmer

One 8 Foot Pedco Skimmer

4 Inch Oil Mop Skimmer, Electric, 200 Feet of Rope

One Morris M12 Disc Skimmer

One Morris M130 Disc Skimmer

Communications Equipment

Refinery Radios on 166.59 MHZ

Sorbents/Chem. Treating Agents/Application Equip.

20 Rolls Conwed (Each 3 Feet by 200 Feet)

135 Petropeat Pillows

20 Rolls Graboil (Each 1 Foot by 20 Feet)

One Electric Absorbent Wringer

Two Manual Absorbent Wringers

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6490B

080-002

SECTION:
EQUIPMENTSUBJECT:
OTHER NORTHERN EQUIPMENT

N.T.C.L. Norman Wells, N.W.T. Phone (403) 423-9201
Pollution Control Container

10 - 50 Ft. Sections of oil containment boom, each section weighs 20 lbs

1 - Mantaray skimmer head - weighs 45 lbs

1 - 1 1/2" Diaphragm pump - 60 lbs

1 - 3" diaphragm pump - 280 lbs

4 - Oil Absorbent Rolls

- Miscellaneous Equipment

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6458A

080-003

WESTERN CANADA REGION
SPILL RESPONSE PLANSECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENTB.C.P.A. COOPERATIVE EQUIPMENT LOCATIONS AND PHONE NOS.

<u>LOCATION</u>	<u>PACKAGE TYPE</u>	<u>OWNER/CUSTODIAN</u>	<u>DAY</u>	<u>NIGHT</u>
Bella Coola	B	Shell	799-5580	982-2304
Campbell River	A	Gulf	287-4214	923-6773
		Husky - 0		
Ganges	B	Gulf	537-5331	537-9849
				or 537-9209
Gibsons	B	Shell	886-2133	886-2133
				or 344-5874
Kamloops	A	Trans Mountain	372-8612	344-8612
			or 372-5414	
Kitimat	B	Gulf	632-2744	632-5167
				or 632-7573
Nanaimo	A	Chevron	753-2632	758-1028
Port Clements	B	Chevron	557-4220	557-4220
Port McNeil	B	Shell	956-3333	956-4217
Powell River	B	Esso	485-4188	485-5034
Prince Rupert	A	Esso	624-3011	624-5159
Trail	A	Petro-Canada	364-2247	364-2247
Ucluelet	B	Chevron	726-4472	726-7034
Vancouver	A	Esso	664-4126	530-7994
Victoria	A	Texaco	382-7224	478-3212
				or 478-5170

OTHER INDUSTRY EQUIPMENT

There are approximately 4 A and 8 B packages belonging to other industry which are not part of a cooperative involving Esso. This can be accessed through EPS Environ. Emergency Coord. - 24 hour (604-666-6100).

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080-003

SECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENTTYPICAL "A" PACKAGE

Oil spill boom, anchors, buoys
Generator, lighting cluster, extensions
Floating oil skimmer, pump, hose
communications equipment - "walkie-talkies"
Sorbent materials
Miscellaneous equipment
Port-A-Tank

TYPICAL "B" PACKAGE

Oil spill boom, anchors, buoys
Sorbent materials
Miscellaneous equipment
Port-A-Tank



4436C

080-003

SECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENT

LOUGHEED TERMINAL CONTINGENCY VAN (45 ft.)
EXAMPLE B.C.P.A. "A" PACKAGE
VANCOUVER CUSTODIAN/OWNER E.P.C.

PUMPS

- 1 Gorman Rupp fire type pump, two (2) fifty foot lengths of discharge hose, suction hose and fittings, gasoline driven.
- 2 Indian pump tank, hand operated
- 1 Two inch diaphragm suction pump
- 2 Hand operated slush pumps
- 1 Two inch Homelite Trash Pump - 150 feet of discharge hose

BOAT

- 1 Twelve foot unsinkable boat, oars, oarlocks equipped with a 9 1/2 h.p. outboard motor.

OIL MOP

- 1 14 - E Oil Mop machine, tail pulleys and rope

PORT-A-TANK

- 2 1000 gallon Port-A-Tanks

OIL CONTAINING OIL BOOMS

- 3 200 foot lengths of (Kingfisher type) oil booms
- 4 Buoys for oil booms

MISCELLANEOUS EQUIPMENT

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04908

080-003

SECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENT

BURRARD CLEAN OIL SPILL COOPERATIVE
PHONE NO. (604) 926-7431
WEST VANCOUVER

BURRARD CLEANER NO. 1

1 42' Bennett Mark 6D Oil Skimmer c/w Crane, Grapple and Spare Parts,
c/w:
MISCELLANEOUS EQUIPMENT

BURRARD CLEANER NO. 2

1 50' Marco Class VII - B Oil Skimmer Miscellaneous Equipment

BURRARD CLEANER NO. 3 - BOOM BOAT

1 27' Davidson/Sealander Sea Truck, c/w:

<u>QUANTITY</u>	<u>DESCRIPTION</u>
-----------------	--------------------

600'	Fence Boom
500'	Lipsetts Boom (at H.M.C.'s Discovery)
	Miscellaneous Equipment

WORK BOATS

2	18' Aluminum Work Boats with Motors Trailers
2	14' Work Boats
1	12' Aluminum Smokercraft

COMMUNICATIONS TRAILER

1 24' Atco Office Trailer fully equipped

EQUIPMENT TRAILER (#08)

1 16' Equipment Trailer, c/w: oil spill tools and equipment

BOOM TRAILER (#07)

1 20' Boom Trailer, with Battery, c/w:

<u>QUANTITY</u>	<u>DESCRIPTION</u>
-----------------	--------------------

1600'	Bennett Boom
	Miscellaneous Equipment

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8498C

080-003

SECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENTCANADIAN COAST GUARD
VANCOUVER

NAME/POSITION/PHONE - AREA CODE 24 HR.	OFFICE	HOME
EMERGENCY REPORTS 604	666-6011	
CCG VESSEL TRAFFIC CENTRE	TELEX: 043-52586	
CCG KITSILANO		
BUCHANAN, H. REG. DIR. 604	666-6111	987-0381
C.E. BURNSIDE RMSS 604	666-6111	271-7366
- BOOMS/FENCING		
1830 m - 0.9 m BENNETT BOOM (INCLUDING BOOM ON TRAILERS)		
1 BIKOMA SEAPACK - CCG BASE KITSILANO		
- WATERCRAFT/AIRCRAFT -		
1 29 m CUTTER - CCG BASE KITSILANO "RIDER"		
2 12 m CUTTER - CCG BASE KITSILANO "MALLARD" "MOORHEN"		
1 - 7.3 m SEA TRUCK - WITH TRAILER		
1 - 6.3 m BOSTON WHALER		
1 S.R.N. 5 + 1s R.N. 6 HOVERCRAFT - SEA ISLAND 604-273-2383		
AIRCRAFT - NIL		
- SKIMMERS/PUMPS/FITTINGS -		
1 SLICKCLICKER VESSEL MOUNTED		
3 SLURP HEADS & SPATE PPS.		
2 KOMARA - MINI SKIMMERS		
2 BACK PACKS		
1 - 115 v - GASOLINE/DISPERSANT PUMP		
- HOSES / CONNECTIONS / PORTABLE TANKS -		
10 - 1000 GALLON PORT A TANKS		
- VACUUM / PUMPER TRUCKS -		
NIL		
- SPECIAL VEHICLES -		
1 4x4 C/W RADIO TEL. - CALL CH. JJ 6M78		
MARINE CH. VHF 6, 11, 12, 14, 16, 19A, 21, 26, 81A		
1 - 10' - 6' UTILITY TRAILER		
5 BOOM TRAILERS (1000FT. 36" BENNETT BOOM EACH)		
- SORBENTS / CHEM. TREATING AGENTS / APPLICATION EQUIP.-		
C		
SORBENTS 80 CARTONS OIL SNARE, TEN CARTONS CONWEB,		
17 ROLLS - 3M		
DISPERSANTS 10 - 204 ltrs DRUMS OILSPERSE 43		
2 - 22.7 ltrs DISPERSANT BACK PACKS		
2 SETS VESSEL MOUNTED DISPERSANT SPRAY EQUIP C/W PPS		
(WITH CONCENTRATE ADAPTER)		
1 INSHORE DISPERSANT SPRAY PP		

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64888

080-003

SECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENTCANADIAN COAST GUARD
VICTORIA

FACILITY: COAST GUARD BASE

NAME/POSITION/PHONE	AREA	CODE	24-HR.	OFFICE	HOME
EMERGENCY REPORTS	604		642-3431 (COAST GUARD RADIO)		
SLAGHT, L. DIST. MGR.	604			388-3292	598-1083
EXLEY, W. SUPT. MAR AIDS	604			388-3186	658-5385
THORMOE, G. MAINT. SUP.	604			388-3150	385-9698

BOOMS/FENCING

1219 m x 0.9 m BENNETT
457 m x 1.8 m BENNETT
1 VIKOMA SEAPACK - 487 m

WATERCRAFT/AIRCRAFT

68.5 m ICEBREAKER "CAMSELL"
45.7 m SUPPLY VESSEL "SIR JAMES DOUGLAS"
30 m CUTTERS "RACER" "READY"
12.8 m CATAMARAN "CATALYTE"
11 m "V:DISPL" "RELITE"
7.9 m TUG "QUADRA 11"
7 m SEA TRUCK
11.1 m SEA TRUCK
6.3 m BOSTON WHALER

AIRCRAFT - DAYLIGHT ONLY - NON AMPHIBIOUS

1 x 212 BELL
3 x ALOUETTE "3"
1 206B BELL

SKIMMERS/PUMPS/FITTINGS

2 SLICKLICKERS VESSEL MOUNTED
3 SLURP HEADS & SPATE PPS.
1 PPING. UNIT 4545 ltrs/min. C/W HOSES "ADAPTS"
T K 4 CHEMICAL / BALLAST PUMP
1 KOMARA - MINI SKIMMER
2 BACK PACKS
1 SCAVENGER PUMP

HOSES/CONNECTIONS/PORTABLE TANKS

HOSES-VARIOUS LIMITED

PORT A TANKS 8 x 4545 ltrs
2 x 227 ltrs DISPERSANT SEAL DRUMS

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6456C

080-003

SECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENTCANADIAN COAST GUARD
VICTORIA (Continued)SORBENTS/CHEM TREATING AGENTS/APPLICATION EQUIP.SORBENTS-100 BALES PEAT MOSS

"GRABOIL" SUPPLIER N SEWELL 658-5713

Z

DISPERSANT - 20 x 205 ltrs DRUMS OIL SPERSE 43
1 - 18183 ltrs TANK TRAILER (COREXIT 9527

CONCENTRATE)

Z

2 SETS VESSEL MOUNTED DISPERSANT SPRAY EQUIP. C/W PPS WITH CONCENTRATE
ADAPTORS

Z-1 IKNSHORE DISPERSANT SPRAY PP

75 CARTONS OILSNARE

10 CARTON CONWEB

17 ROLLS X 3M

CANADIAN COAST GUARD
PRINCE RUPERTFACILITY: COAST GUARD BASENAME/POSITION/PHONE

AREA CODE

24 HR.

OFFICE

HOME

EMERGENCY REPORT

604

624-2053

(COAST GUARD RADIO)

HARRIS, E. DIST. MGR.

604

624-9146

624-6348

ASHWORTH, H. SUPT. MAR.

604

"

624-6867

B.W. ROBERTSON BASE SUP

604

"

624-4432

BULLEN, F. DIST. SURV.

604

"

624-9146

BOOMS/FENCING

1219 m 0.9 m BENNETT BOOM (INCLUDING BOON ON TRAILERS)

1 VIKOMA SEA PACK

WATERCRAFT/AIRCRAFT

1 43 m SUPPLY VESSEL "ALEXANDER MCKENZIE"

1 12.8 m CATAMARAN "CLOOSTUNG"

AIRCRAFT

1 S-61 HELICOPTER-FULL AMPHIBIOUS

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04960

080-003

SECTION:
EQUIPMENTSUBJECT:
WEST COAST EQUIPMENT

CANADIAN COAST GUARD
PRINCE RUPERT (Continued)

SKIMMERS/PUMPS/FITTINGS

2 SLICKLICKERS VESSEL MOUNTED.
2 SLURP UNITS COMPLETE WITH DIESEL AND ACCESSORIES
1 KOMARA MINI - SKIMMER
DISPERSANT BACK PACKS
SCAVENGE PUMPS

HOSES/CONNECTIONS/PORTABLE TANKS

8 - 4545 ltrs PORTABLE TANKS

SORBENTS/CHEM TREATING AGENTS/APPLICATION EQUIP.

CARTONS OILSNARE

TEN ARTONS CONWEB 200 BALES PEAT (NOT AVAILABLE LOCALLY)
2 SETS VESSEL MOUNTED DISPERSANT SPRAY EQUIPMENT C/W PPS
10 - 205 ltrs DRUMS OILSNARE 43
2 - 22 ltrs DISPERSANT BACK PACKS
16 - ROLLS - 3M

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0498A

080-004

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
EQUIPMENT

SUBJECT:
PRAIRIE EQUIPMENT

MAJOR EQUIPMENT IN EACH O.S.C.A.R. UNIT

Boom - 800' - 12" Inshore Boom in 50' Sections - Alberta and B.C.
400' - 20" Harbour Boom) Saskatchewan and
400' - 12" Barrier Boom) Manitoba

Boat - 1 18' jet boat c/w 80 HP Jet Drives. Jet boats located at each trailer location.

Pumping & Skimming Equipment (may vary from trailer to trailer)

3 - 4" Homelite Trash Pumps
1 - 2" Homelite Trash/Washdown Pump
1 - Skim-Pak Skimmer
1 - 4' Pedco Automatic Skimmer

Sorbents - 3 - 48" x 100' rolls of 3 m absorbent

Pit Liner - 1 - 80' x 125' polyethylene pit liner

Miscellaneous Equipment

OTHER MAJOR EQUIPMENT

The following additional major equipment is available

- 1 - 27' pup trailer containing the following:
 - 950' - 18" River boom
 - 700' - 12" Bennett boom
 - 1 - 8' Pedco Skimmer
 - 300' - 12" Bennett inshore boom
 - 1 Aluminum weir box
 - Miscellaneous equipment
 - Diesel driven skid mounted capstan
- 1 - 22' inboard jet work boat with 460 hp motor (Supervisory Consultants)
- 1 well Blow-out trailer
- 1 air diverter trailer
- 1 "hand held" air diverter
- 1 oil mop

For contacts see Sec. 070-001 pg. 7.

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6456 A

080-005

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:

EQUIPMENT

SUBJECT:

AMMONIA RESPONSE EQUIPMENT

AGRICULTURAL CHEMICALS COMPLEXREDWATER ALBERTA

Emergency Response Van equipped with:

- 3 Gra-Lite Acid Master Suits
- 3, 4.5 Scott - 1 Hour Breathing Apparatus
- Spare Air Cylinders
- P.V.C. Clothing, etc.
- First Aid Kit
- Canister Masks
- Tools, plus Miscellaneous Small Valves & Fittings

Emergency Trailer Equipped with:

- 1, 3" Blackmer Ammonia Pump
- 1 Honda 1500 Watt Generator
- 1 Capping Kit for NH₃/LPG Tank Cars
- Lanyards, Ropes, Ladder, etc.
- Jack, 3/4 Ton Come-Along
- Fire Extinguisher
- First Aid Kits
- Parkas and Personal Effects Kits

CLAVET SASKATCHEWAN

Emergency Trailer equipped as above except with 2" Blackmer Pump

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04988

080-005

SECTION:
EQUIPMENTSUBJECT:
AMMONIA RESPONSE EQUIPMENTWESTCAN

Edmonton - Fully Equipped Ammonia Emergency Response Van.

Clavet - Fully Equipped Ammonia Emergency Response Van.

WCFA

Emergency Response Vans at:

SGM - Fort Saskatchewan, Alberta
COMINCO - Carseland, Alberta
SIMPLLOT - Brandon, Manitoba
WCFL - Calgary, Alberta
CFL - Medicine Hat, Alberta (via WCFL)

TEAP

Winnipeg, Manitoba - Fully Equipped Emergency Response Van

CNR

Fully Equipped Emergency Response Vans - 3 Units

Mobile Command Centres - 3 Units

CPR

Fully Equipped Emergency Response Vans

Mobile Command Centres

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090

Oil Spill
Response



6458A

090-001

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
LAND SPILLS - SUMMER
CONFINED TO LAND

DIKING

Dike or ditch in accordance with the contour of the area. Utilize granular material wherever possible (sump material etc.).

SURFACE OIL ACCUMULATION

Clean up surface pools with vacuum trucks or tanks.

OIL PENETRATES THE SURFACE

Check depth of penetration
Check for oil migration
- dig holes with shovels
- use power augers for deeper holes
Remove oil from holes manually or with pumps
Complete cleanup using absorbents

TRENCHING

Trench only as necessary in permafrost soil in order to intercept and recover oil.

STORAGE AND DISPOSAL

Store in portable tanks prior to final disposal.

RESTORATION

To avoid thaw and slumping in permafrost, ditches, and holes must not be left open after cleanup
Backfill trenches with original material
Use peat moss or woodchips as an insulating layer

SURVEILLANCE

Check on spill from shore, by boat or preferably from aircraft
Assess immediate equipment requirements
Assess the presence of wildlife

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0000 A

090-002

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:

OIL SPILL RESPONSE
STRATEGIES

SUBJECT:

LAND SPILLS - SUMMER
ESCAPES INTO LAKE

MOBILIZATION

Get men, communication equipment and oil spill equipment to the spill site by the quickest means (by air, land or water).

OIL RECOVERY

- Anchor or position boom in place to confine spill to smallest area possible
- o Use skimmers to recover oil from water surface
 - o Clean up isolated pockets of oil at water's edge by use of absorbents

STORAGE AND DISPOSAL

Store in portable tanks for transfer for final disposal.

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090-003

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
LAND SPILLS - SUMMER
ESCAPES INTO RIVER

AIR SURVEILLANCE

Check on spill from aircraft or vehicle

- extent of spill
- movement by wind and current

Determine the presence of wildlife

Locate deployment sites

MOBILIZATION

Move booms communication equipment and initial crew to control points

Move boats to control points

Move skimmers, remainder of crew and other cleanup equipment to the area

DEPLOYMENT

Set out river booms using boats or helicopters to set out anchors

For river currents greater than .7 knots booms should be considered only in a diversionary manner to direct the flow of oil towards shoreline or a skimmer unit. For wide river areas booms should be deployed in a chevron or cascading pattern.

Set skimmers in conjunction with boom configuration to recover oil

OIL/WATER STORAGE

Use portable tanks or pits for initial storage

Call for further bladders, tanks or plastic sheeting for emergency use in low areas

Obtain empty fuel barges if needed

DISPOSAL

Transfer fluids to disposal site.

CAUTION

Warn boats if required

Place marker buoys to identify spill area

Alert any downstream communities

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8450A

090-004

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:

OIL SPILL RESPONSE
STRATEGIES

SUBJECT:

LAND SPILLS - SUMMER
CONFINED TO LAND

EQUIPMENT REQUIRED

Move small dozer, front end loader, shovels, pumps and portable storage to site
Bring in dump trucks with plastic lined boxes to remove oil, wastes and soil if necessary
Check for need of positive air shut-off devices on diesel engine air intake. The need depends on the combustible vapour content in the atmosphere surrounding the spill area.

DIKES

Build dikes to contain spill
Use plastic sheeting to line face of dike

CLEANUP ON FROZEN GROUND

Remove pooled oil by pumping
Use mechanical and hand equipment to scrape up oily earth and load into dump trucks if needed.

CAUTION

If terrain conditions indicate long term damage may result by bulldozer scraping, then hand cleanup may be necessary.

REMOVAL

Haul away oily wastes.

DISPOSAL

Unload at a suitable site with pit or container facilities
- burn
- gravity separate and recover by skimmer.

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090-005

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
LAND SPILLS - WINTER
ESCAPE INTO RIVER

SURVEILLANCE

Estimate position based on current flow and verify if visible from vehicle or aircraft

Identify deployment sites

- open water without ice floes for river booms
- secure ice capable of supporting men and equipment to cut slots.

ICE FLOE CONDITIONS

Under ice floe conditions when secure ice or open water cannot be found dispersant application may be considered with approval from the appropriate regulatory authority.

DEPLOYMENT

Cut angled slots in secure ice to direct oil into skimmer units.

A cascading pattern of slots or multiply skimmer deployments may be needed for a large or dispersed slick.

Deployment in open water is identical to summer deployment covered in Sect. 090-003.

STORAGE AND DISPOSAL

Use portable tanks or pits for initial storage and surge.
Transfer fluids to disposal site.

CAUTION

Notify downstream communities

Be sure to check ice thickness for load bearing capability

Identify ice floes and break up, up stream of open water deployment and abandon river immediately.

Trained rescue teams should stand by.

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6488A

090-006

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
OFFSHORE SPILLS - SUMMER SMALL
SPILL CONFINED TO MAN-MADE ISLAND

DETECTION

Visible stain on ground
Will not likely spread to any large area

RECOVERY

Dig or scrape up oil contaminated sand.

DISPOSAL

Containerize and ship saturated sand to mainland for disposal.

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090-007

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
OFFSHORE SPILLS - SUMMER
ESCAPES INTO SEA

SURVEILLANCE

Determine slick limits by visual observations from boats and aircraft.
Determine presence of any wildlife

CALM SEA

Deploy first available boom to confine spill
Bring in larger booms as back-up system
Call on services of Co-op or Canadian Coast Guard if required
Use skimmers to recovery oil within boomed area
- wind may assist in concentrating the slick
Pump recovered oil/water mixture into shore tanks or into empty fuel barges

ROUGH SEA

Deploy ocean-type boom, consider allowing boom to drift if currents are strong
Monitor fate of slick by aircraft
Consider use of dispersants
Use large skimmers capable of operating in rough, choppy water
Pump oil/water mixture into shore tanks or barges

SHORELINE

Use booms to prevent slicks from contacting sensitive priority shorelines
Line beaches to be contacted with absorbents
Consider constructing windows along shoreline where there will be contact with the oil slick

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090-008

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
OFFSHORE SPILLS - WINTER SMALL
SPILL ON MAN-MADE ISLAND

DETECTION

Limits of spill would be visible except under a fresh snow cover
Identify area and stake it - in event it becomes snow covered
If snow covered, locate limits of spill by probing

BURNING

The On-Scene-Commander will decide if immediate burning is SAFE or
ADVISABLE.

SNOW DIKES

Build snow dikes to contain spill.

CLEAN-U

Recover pooled oil with pump.
Use mechanical and hand equipment to scrape up oil/snow mixture and
store in sump, tanks or dump truck.

DISPOSAL

Burn oil/snow mixture in sump or incinerator.
Store until spring thaw, gravity separate and remove oil for burning

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090-009

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
OFFSHORE SPILLS - WINTER
ON ICE

CAUTION

CHECK ICE THICKNESS AND LOAD BEARING CAPABILITY, BEFORE MOVING EQUIPMENT.

DETECTION

Limits of spill would be visible except under a fresh snow cover.
If snow covered, locate by probing.

BURNING

Immediate burning may be desirable as decided by the
On-Scene-Commander.
Pick up any tarry residue remaining after the burn.

EQUIPMENT REQUIREMENT

Move small dozer, front end loader, shovels, pumps and portable storage
to the site.
Bring in dump trucks with plastic liners to prevent oil leakage from
contaminated snow.

CONTAINMENT

Build snow dikes to contain spill.
Seal off cracks and fissures in ice with mixture of snow and ice.

RECOVERY

Remove pooled oil with spate or similar pump.
Use mechanical and hand equipment to scrape up oil and snow mixture
and haul away in leak-proof trucks to suitable site for disposal.

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0458A

090-010

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
OFFSHORE SPILLS - WINTER
UNDER ICE

DETERMINE LOCATION OF OIL

Drill test holes through ice and delineate spill extent.
Cut trenches at the perimeter of the slick and also in the thickest oil section.

OIL RECOVERY

Skimmers and pumps from enlarged test holes.
Remove oil from trenches.

- vacuum equipment
- skimmers
- hand skimming
- absorbents

Covered in areas (sheds) may be necessary in extremely low temperatures.

Monitor until Spring and burn as oil migrates to surface in melt pools, using air deployable ignitors if necessary.

STORAGE OF RECOVERED OIL

In available containers.

Temporary holding area

- snow dikes on ice
- plastic liners

DISPOSAL

Removal and/or burning.

Immediate burning on site may be considered

Remove to storage area until spring thaw, gravity separate and remove oil

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6498A

090-011

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:

OIL SPILL RESPONSE
STRATEGIES

SUBJECT:

OFFSHORE SPILLS - FREEZEUP

DETECTION AND SURVEILLANCE

Utilize tracker buoys, remote sensing techniques to monitor the movement and extent of spill until ice thickens.

BURNING

- o The On-Scene-Commander will decide if immediate burning is SAFE and ADVISABLE.

SLUSH ICE

Limited clean-up activity may be possible if marine craft are able to move into the spill area.

THIN ICE COVER

Identify spill area with marker buoys to keep track of the spill location.

- as ice thickens men and equipment can begin cleanup from the ice surface
- recover or burn remaining oil from the melt pools in the following Spring

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6486A

090-012

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:

OIL SPILL RESPONSE
STRATEGIES

SUBJECT:

OFFSHORE SPILLS - BREAKUP

DETECTION AND SURVEILLANCE

Visual observations from aircraft.

CAUTION

Be careful when working on ice at breakup.

BURNING

The On-Scene-Commander will decide if immediate burning is SAFE and
ADVISABLE.

Burn oil pools on ice using air deployable incinerators.

DURING THAW

Continue surveillance by aircraft.

Set out markers around spill.

Clean up as soon as it is possible to get boats into the open water.

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090-013

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
SHORELINE PROTECTION

EVERY EFFORT SHOULD BE MADE TO PREVENT OIL FROM REACHING SHORELINE AREAS.

MECHANICAL RECOVERY

Use booms and skimmer along shoreline to prevent oil from reaching land.

If limited by amount of boom available decide on priority areas to be protected using available information and expert advice.

SORBENTS

Spread absorbents along shoreline at low tide.

DAMS, DYKES

Temporary dams or dykes can be constructed to protect inshore areas. A grader or bulldozer could be used to form a windrow to protect backshore.

DISPERSANTS

Chemical dispersants could be applied to the oil prior to reaching the shoreline in order to disperse the oil into the water column.

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090-014

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
OIL SPILL RESPONSE
STRATEGIES

SUBJECT:
SHORELINE CLEANUP

THE METHOD OF CLEANUP WILL DEPEND UPON TYPE OF SHORELINE IMPACTED, TYPE, AGE OF OIL AND DEGREE OF ACCESSIBILITY.

MECHANICAL RECOVERY

Can be used in areas that permit use of heavy equipment.

MANUAL RECOVERY

Use of light equipment, rakes and shores will be preferred cleanup technique in many cases.

DISPOSAL

Use portable incinerators.
Collect and return to Tuk Base for final disposal.

RESTORATION

Restoration should be initiated if there is potential for significant accelerated erosion, alteration of soil thermal regime or melting of permafrost.

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6496 A

100-001

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
CHEMICAL RESPONSE
STRATEGY

SUBJECT:
AMMONIA LEAKS

DETECTION

Leaks/Spills are readily detected by the very irritating, choking odour even in moderate concentrations.

CAUTION

Ammonia is a clear flammable gas which is extremely irritating and corrosive to lungs, eyes and mucous membranes.

May be fatal in high concentrations.

Keep upwind and keep public away.

CARRIERS

1. Truckers (Westcan)

- Will repair small leaks (tighten packings, etc.).
- Have trained crews with fully equipped response vehicles and can transfer cargoes when required.
- Will advise authorities of spills.

2. Railways

- Will advise authorities of all leaks.
- Will contact producer/shipper for repair.

ECC - TRANSPORTATION EMERGENCY RESPONSE SYSTEM

1. The A.C.C. Transportation Emergency Response System will provide technical assistance to police, fire and other civil protection authorities in the event of incidents involving E.C.C. fertilizers or raw materials.

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14100

100-001

SECTION:
CHEMICAL RESPONSE
STRATEGY

SUBJECT:
AMMONIA LEAKS

2. The ACC Transportation Emergency Response System will provide on-the-scene assistance when it is deemed necessary and/or requested by the transportation company involved or by police, fire department or other civil authorities.
3. As Producer/Shipper, ACC may receive calls for assistance from:
 - Police
 - Fire Departments
 - Disaster Services
 - Other Authorities (Environment)
 - Carriers - Truck
 - Rail
 - TEAP
 - CANUTEC
 - Agents
 - Customers
 - Other Western Canadian Ammonia Producers
4. The ACC Transportation Emergency Squad Coordinator or Alternate will decide when to contact and activate the:
 - ACC Transportation Emergency Squad
 - Carrier (Trucker) Transportation Emergency Squad
 - EPC - IOCO/Lougheed Terminal Transportation Emergency Squad
 - Winnipeg TEAP
 - Other Western Canadian Ammonia Producers
 - Western Canada Major Spill Response Team (Level II)
 - Bloom or Clavetand will advise appropriate authorities plus initiate ECC reporting procedures.

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4458A

100-002

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
CHEMICAL RESPONSE
STRATEGY

SUBJECT:
AMMONIUM NITRATE
AMMONIUM NITRATE LIQUOR

CAUTION

Oxidizing agent; supports combustion.

Is capable of detonation if heated under confinement.

Organic or other easily oxidizable matter can sensitize it to a more readily explodable state.

Decomposition by fire emits extremely poisonous gases.

Keep public away from spills or leaks.

TRANSPORTATION

Road or rail carriers will clean up spills or leaks by allowing liquor to solidify, scraping up with shovels and placing in suitable containers.

DISPOSAL

Return containers to A.C.C. for recycle or disposal.

ECC - TRANSPORTATION EMERGENCY RESPONSE SYSTEM

1. The ACC Transportation Emergency Response System will provide technical assistance to police, fire and other civil protection authorities in the event of incidents involving ECC fertilizers or raw materials.
2. The ACC Transportation Emergency Response System will provide on-the-scene assistance when it is deemed necessary and/or requested by the transportation company involved or by police, fire department or other civil authorities.

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0498B

100-002

SECTION:
RESPONSE STRATEGY

SUBJECT:
CHEMICAL AMMONIUM NITRATE
AMMONIUM NITRATE LIQUOR

3. As Producer/Shipper, ACC may receive calls for assistance from:

Police
Fire Departments
Disaster Services
Other Authorities (Environment)
Carriers - Truck
 - Rail

TEAP
CANUTEC
Agents
Customers

4. The ACC Transportation Emergency Squad Coordinator or Alternate will decide when to contact and activate the:

ACC Transportation Emergency Squad
Carrier (Trucker) Transportation Emergency Squad
EPC - IOCO Lougheed Terminal TES
Winnipeg TEAP

Western Canada Major Spill Response Team (Level II)

and will advise appropriate authorities plus initiate ECC reporting procedures.

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100-003

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
CHEMICAL RESPONSE
STRATEGY

SUBJECT:
OTHER CHEMICALS

ECC - TRANSPORTATION EMERGENCY RESPONSE SYSTEM

1. The ECC Transportation Emergency Response System will provide technical assistance to police, fire and other civil protection authorities in the event of incidents involving ECC fertilizers or raw materials. These will include:
 - Anhydrous Ammonia
 - Ammonium Nitrate/Ammonium Nitrate Liquor
 - Urea
 - Ammonium Phosphates
 - Ammonium Sulphate
 - Various Nitrogen-Phosphate blends
 - Sulphur
 - Sulphuric Acid
2. The ACC Transportation Emergency Response System will provide on-the-scene assistance when it is deemed necessary and/or requested by the transportation company involved or by police, fire department or other civil authorities.
3. As Producer/Shipper, ACC may receive calls for assistance from:
 - Police
 - Fire Departments
 - Disaster Services
 - Other Authorities (Environment)
 - Carriers - Truck
 - Rail
 - TEAP
 - CANUTEC
 - Agents
 - Customers
 - Other Western Canadian Ammonia Producers

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100-003

SECTION:
CHEMICAL RESPONSE
STRATEGY

SUBJECT:
OTHER CHEMICALS

4. The ACC Transportation Emergency Squad Coordinator or Alternate will decide when to contact and activate the:
 - ACC Transportation Emergency Squad
 - Carrier (Trucker) Transportation Emergency Squad
 - EPC - IOCO/Lougheed Terminal TES
 - Winnipeg TEAP
 - Other Western Canadian Ammonia Producers
 - Western Canada Major Spill Response Team (Level II)
 - Bloom or Clavetand will advise appropriate authorities plus initiate ECC reporting procedures.
5. In the event a call is received concerning other Esso/Exxon produced chemicals, i.e.
 - Solvents
 - Paramins
 - Plastics
 - Performance Chemicalsit will be directed to the Sarnia number for technical assistance.
6. Calls concerning materials not produced or shipped by Esso or its affiliates will be directed to the TEAP organization for appropriate response.
7. LPG and other hydrocarbon incidents will also be handled via the TEAP organization.

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100-004

WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:

CHEMICAL RESPONSE
STRATEGY

SUBJECT:

MULTI-COMPONENT SPILLS

CAUTION

1. Incidents involving more than one hazardous material could become very dangerous if leakage or a fire occurs. The materials and/or products of combustion may be explosive, flammable, poisonous and/or corrosive. Until the materials are accurately identified the most hazardous situation should be assumed.
2. In general:
 - Keep upwind
 - Keep the public away
 - Do not approach spills of unknown materials (chemicals) without full protective clothing and self-contained breathing apparatus
 - Consider evacuation beyond 1000 m
 - Advise -
 - Police
 - Disaster Services or Emergency Measures Organizations
 - Fire Commissioner
 - Department
 - Carrier(s)
 - Supplier(s)
3. Information on chemical hazards, properties can be obtained via collect call to CANUTEC (613) 996-6666.
4. The ACC Transportation Emergency Response System will provide technical assistance to police, fire and other civil protection authorities in the event of incidents involving ECC fertilizers or raw materials. These will include:
 - Anhydrous Ammonia
 - Ammonium Nitrate/Ammonium Nitrate Liquor
 - Urea
 - Ammonium Phosphates
 - Ammonium Sulphate
 - Various Nitrogen-Phosphate blends
 - Sulphur
 - Sulphuric Acid

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100-004

SECTION:
CHEMICAL RESPONSE
STRATEGY

SUBJECT:
MULTI-COMPONENT SPILLS

5. The ACC Transportation Emergency Response System will provide on-the-scene assistance when it is deemed necessary and/or requested by the transportation company involved or by police, fire department or other civil authorities.
6. The ACC Transportation Emergency Squad Coordinator or Alternate will decide when to contact and activate the:
 - ACC Transportation Emergency Squad
 - Carrier (Trucker) Transportation Emergency Squad
 - EPC - IOCO/Lougheed Terminal TES
 - Winnipeg TEAP
 - Other Western Canadian Ammonia Producers
 - Western Canada Major Spill Response Team (Level II)
 - Bloom or Clavetand will advise appropriate authorities plus initiate ECC reporting procedures.
7. In the event a call is received concerning other chemicals, it will be directed to the ECC Sarnia number for technical assistance.
8. Sarnia Transportation Emergency Response staff will determine when to contact and activate:
 - The Sarnia or other Esso Transportation Emergency squad
 - The carrier (truck or rail) Transportation Emergency Squad
 - The TEAP organization
 - The suppliers Transportation Emergency program

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WESTERN CANADA REGION
SPILL RESPONSE PLAN

SECTION:
LPG

SUBJECT:
EQUIPMENT

Pressure Equipment to Handle NH₃ or LPG Emergencies

Econary Carriers Ltd.

Phone

Edmonton	24 Hr.	(403)	464-5114
Calgary	24 Hr.	(403)	264-1144

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WESTERN CANADA REGION
SPILL RESPONSE PLANSECTION:
GLOSSARYSUBJECT:
ACRONYMSGLOSSARYACRONYMDEFINITION

ABS	Arctic Biological Station (DFO)
ACC	Esso Chem Agricultural Complex - Redwater Canada
BCPA	British Columbia Petroleum Association
CANUTEC	Transport Canada's Information and Emergency Centre (Ottawa)
CCG	Canadian Coast Guard
CCRS	Canada Centre for Remote Sensing
CNR	Canadian National Railways
COGLA	Canadian Oil and Gas Lands Administration
CPA	Canadian Petroleum Association
CWS	Canadian Wildlife Service
DFO	Department of Fisheries and Oceans
DIAND	Department of Indian and Northern Development
ECC	Esso Chemical Canada
EMO	Emergency Measures Organization
EPC	Esso Petroleum Canada
EPS	Environmental Protection Services (Environment Canada unless otherwise defined)
ERCL	Esso Resources Canada Limited
ESL	Environmental Sciences Limited
GNWT	Government of the Northwest Territories
GYT	Government of Yukon
H.Q.	Headquarters
LGL	Livingston, Gury, and Lewis (a firm of Environmental Research Associates)
NEELS	National Environmental Emergency Locator System
NTCL	Northern Transportation Company Limited
NWT	Northwest Territories

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SECTION:
GLOSSARYSUBJECT:
ACRONYMSGLOSSARY (Continued)ACRONYMDEFINITION

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Petroleum Association for a Clean Canadian
Environment

PITS

Petroleum Industry Training Services (Alberta)

PRD

Production Research Department (ERCL - Calgary)

OSCAR

Oil Spill Containment and Recovery

TEAP

Transportation Emergency Plan (for Chemicals)

TUK

Tuktoyuktok, Northwest Territories

WCFA

Western Canada Fertilizer Association

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